

NORTH CHINA PLAIN - HENAN

Straw value-added utilization technology in Huang-Huai-Hai Plain (HHHP)

- A 10 acre scale long-term positioning test point was established for novel NBS planting model in Yucheng County, Shangqiu city, Henan province in 2019, as the core demonstration area (34°21'36"N, 115°38'3"E).
- The annual solar rate of this region is 53%, and the annual average frost-free period is 216 days. The average annual temperature is 14.1°C, and the average annual precipitation is 726.5 mm.

NBS SITE TRIALS

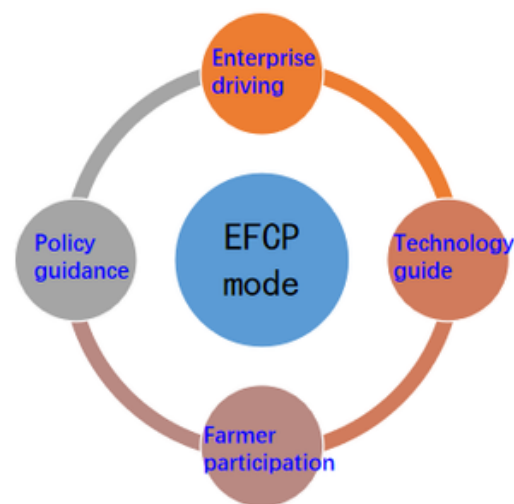
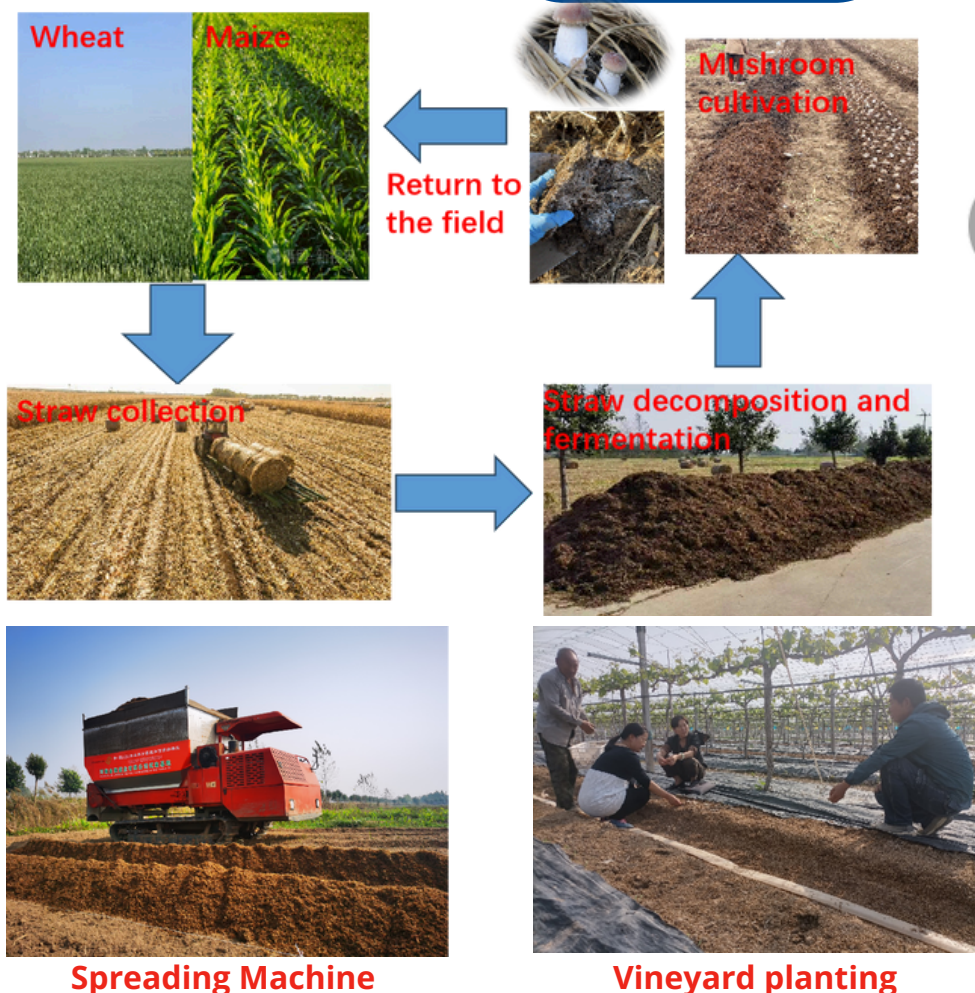
Straw-dominated open-field cultivation of edible mushrooms

A novel NBS planting model that incorporates edible fungi into the wheat-maize rotation system of the North China Plain.

Treatment as follows:

- Continuous annual straw return for wheat-maize rotation system
- Only annual wheat straw return in wheat-maize rotation system
- Non-annual straw return in wheat-maize rotation system
- Straw-dominated edible mushroom cultivation in rotation with field crops

NBS SITE TRIALS



Edible fungi and crop plant (EFCP)

trans4num



Funded by Ministry of Science and Technology of China